Food Chemistry **40** (1991) 359–361

CONTENTS OF VOLUME 40

Number 1

Determination of Total Polyphenols in Beers by Flow Injection Analysis . . 1
MIGUEL PERIS, DIETER MÜLLER & ANGEL MAQUIEIRA (Spain)

Kinetics of Heat-inactivation of Trypsin Inhibitors from the African Yam Bean (*Sphenostylis stenocarpa*) 9
EUGENE N. ONYEIKE, BENE W. ABBEY & EMMANUEL O. ANOSIKE (Nigeria)

Light Sensitivity of Cochineal. Quantum Yields for Photodegradation of Carminic Acid and Conjugate Bases in Aqueous Solution 25
KEVIN JØRGENSEN & L. H. SKIBSTED (Denmark)

Phenols and Caffeine in Wet-Processed Coffee Beans and Coffee Pulp . . 35
M. N. CLIFFORD (UK) & J. R. RAMIREZ-MARTINEZ (Venezuela)

The Stability of All-*trans* Retinol and Reactivity Towards Transition Metals . 43
F. MANAN, L. V. GUEVARA & J. RYLEY (UK)

Gelation of Bovine Serum Albumin and β-Lactoglobulin; Effects of pH, Salts and Thiol Reagents 55
NAOTOSHI MATSUDOMI, DOUGLAS RECTOR & J. E. KINSELLA (USA)

Kinetics of the Reaction of 3-Deoxyhexosulose with Thiols 71
B. L. WEDZICHA & A. S. EDWARDS (UK)

Problems Associated with the Assay of Cathepsin D in Meat and Meat Products 87
ELÍAS RICO, FIDEL TOLDRÁ & JOSÉ FLORES (Spain)

Discrimination in Recovery during Capillary GLC Analysis of Fish Oil: The Use of a Recovery Correction Factor (RCF) 93
XINJIAN YAN, PHILIP J. BARLOW & CHARLES CRAVEN (UK)

Thermal Behaviour of Soya 7S Globulin: Effect of Moisture Content and Added Hydrocolloid on the Denaturational Change in Heat Capacity 101
C. G. OATES (Singapore) & D. A. LEDWARD (UK)

Comments on Shallenberger's Chiral Principles Contained in Structure–Sweetness Relations 109
JOHAN BUITENHUIS & JAN A. KANTERS (The Netherlands)

Food Chemistry **40** (1991)—© 1991 Elsevier Science Publishers Ltd, England. Printed in Great Britain

Short Communication

Identification of Bovolide and Dihydrobovolide in Beef 113
GLESNI MACLEOD (UK)

Number 2

The State of Sulphur Dioxide at High Concentration and Low Water Activity . 119
B. L. WEDZICHA & S. J. GODDARD (UK)

A Study of the Apparent Diffusion Coefficients for Ascorbic Acid Losses from Peas during Blanching in Water 137
ZAKIA M. ABDEL-KADER (Egypt)

Calculation of Water Activity in Surface Mould-Ripened Soft Cheeses from their Chemical Composition. 147
M. A. ESTEBAN, A. MARCOS, M. ALCALÁ & R. GÓMEZ (Spain)

Chemical Composition of the Flesh and Other Tissues of Antarctic Fish Species of the Families Channichthyidae and Nototheniidae 159
J. OEHLENSCHLÄGER (FRG)

Binding of Mineral Elements by Dietary Fibre Components in Cereals—*In vitro* (III) 169
HANS PERSSON, MARGARETA NYMAN (Sweden),
HELENA LILJEBERG, GUNILLA ÖNNING &
WENCHE FRØLICH (Norway)

Omega-3 Polyunsaturated Fatty Acid Content of Some Popular Species of Arabian Gulf Fish 185
AHMED R. KOTB, ASHRAF F. ABU HADEED &
ABDULLA A. AL-BAKER (Qatar)

Tannins in Wet-Processed Coffee Beans and Coffee Pulp 191
M. N. CLIFFORD (UK) & J. R. RAMIREZ-MARTINEZ (Venezuela)

Compounds Contributing to Meat Flavour. 201
LINDA J. FARMER & RONALD L. S. PATTERSON (UK)

Organic Acids in Potato Tubers: Part 2—The Effect of Gamma Irradiation on Citric and Malic Acid Contents of Potato Tubers 207
G. LISIŃSKA & K. ANIOŁOWSKI (Poland)

Nutritive Value of the Chebulic Myrobalan (*Terminalia chebula* Retz.) and its Potential as a Food Source 213
N. N. BARTHAKUR & N. P. ARNOLD (Canada)

Chemical Evaluation of Mahua (*Madhuca indica*) Seed 221
AJAY SINGH & I. S. SINGH (India)

Research Note

Lead, Cadmium and Chromium Levels in Vegetables Grown in Urban Sewage Sludge—Hyderabad, India 229
R. SRIKANTH & S. RAJA PAPI REDDY (India)

Technical Note
Sequential Fermentation of Pearl Millet by Yeasts and Lactobacilli: Changes in Available Carbohydrates Content 235
NEELAM KHETARPAUL & B. M. CHAUHAN (India)

Number 3

Beet Technological Value Under Mediterranean Storage Conditions . . . 241
G. VACCARI, G. MANTOVANI & A. CAMPI (Italy)

Determination of Macronutrient and Micronutrient Levels in Thai Foods: An Evaluation of the Thai Food Composition Table 251
ANDRIES J. SPEEK (The Netherlands),
SUPINUN SPEEK-SAICHUA (Thailand) &
WIL H. P. SCHREURS (The Netherlands)

Quantitative Changes in Anthocyanin Pigments of Lychee Fruit During Refrigerated Storage 263
H. S. LEE & L. WICKER (USA)

A Review of the Methodology of the 2-Thiobarbituric Acid Test . . . 271
D. V. HOYLAND & A. J. TAYLOR (UK)

Changes of Benzo(a)pyrene Contents in Smoked Fish during Storage. . . . 293
P. SIMKO (Czechoslovakia)

Purification and Characterization of a Glucoamylase from *Rhizopus oryzae* . 301
ROCH-CHUI YU & Y. D. HANG (USA)

Effect of Local Processing Methods (Cooking, Frying and Smoking) on Three Fish Species from Ghana: Part I. Proximate Composition, Fatty Acids, Minerals, Trace Elements and Vitamins. 309
MATILDA STEINER-ASIEDU, KÅRE JULSHAMN &
ØYVIND LIE (Norway)

Nonenzymatic Browning of Tomato Products 323
SEBASTIANO PORRETTA (Italy)

Research Notes
Specific Degradation of Myosin in Meat by Bromelain 337
HIE-JOON KIM & IRWIN A. TAUB (USA)

Quality Attributes of Jams from Low-Usage Tropical Fruits 345
JOHNSON O. AINA & ADETOKUNBO A. ADESINA (Nigeria)

Book Reviews 353

Announcements 357